

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/974,806	TOMIO ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	DUC Q. DINH	2674	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the Amendment filed on 09/19/05.
2. ☒ The allowed claim(s) is/are 1-12, 23-14 and renumbered as 1-14.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Notice of References Cited (PTO-892)</li> <li>2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br/>Paper No./Mail Date _____</li> <li>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br/>of Biological Material</li> </ol> | <ol style="list-style-type: none"> <li>5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)</li> <li>6. <input type="checkbox"/> Interview Summary (PTO-413),<br/>Paper No./Mail Date _____</li> <li>7. <input type="checkbox"/> Examiner's Amendment/Comment</li> <li>8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance</li> <li>9. <input type="checkbox"/> Other _____</li> </ol> |
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### **DETAILED ACTION**

1. This is response to the Amendment filed on September 19, 2005. Claims 1-12, and 23-24 are pending in the Application.

#### ***Allowable Subject Matter***

2. Claims 1-12 and 23-24 are allowed and renumbered as 1-14.

3. The following is an examiner's statement of reasons for allowance:

The present invention related to an internal power control unit for a flat plasma display for controlling the internal power supply in accordance voltage detected by the a detection unit that detects a first high voltage and drive voltages produced from said high voltage to reduce power consumption. Each independent claim, inter alia, discloses a distinct feature:

In reference to claims 1-8:

“a drive control signal control unit controlling drive control signals of said flat plasma display in response to the decided results of said first and second high voltage decision units and said first and second drive voltage decision units”.

In reference to claims 9-10:

“wherein the internal power supply controlling unit produces a power supply control signal to stop the operation of the internal power supply circuit in case when any one of the respective detected levels of the first voltage and the plural drive voltages is out of a predetermined level range”.

In reference to claims 11-12:

Art Unit: 2674

“wherein said internal power supply controlling unit starts the operation of the internal power supply circuit when the detected first high voltage is higher than the first specific value, and stops the operation of the internal power supply circuit when the detected first high voltage is lower than the second specific value.”

In reference to claims 23-24:

“wherein when any level of the plural drive voltages detected by the voltage detection unit is out of an predetermined level range, the operation of the internal power supply circuit, corresponding to the drive voltage which is detected to be out of predetermined level range, is controlled to stop the operation.”

The closest prior arts of Criscimagna et al (U.S Patent No. 4,017,762) and Kurikco (U.S Patent No. 5,786,813) disclose similar systems which also having a detector unit to detects level of the first high voltage and multiple voltages produced from a first high voltage to control an internal power supply for saving power for the display system. However, either singularly or in combination, fail to anticipate or render above quoted limitations obvious.

### ***Conclusion***

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **DUC Q. DINH** whose telephone number is **(571) 272-7686**. The examiner can normally be reached on Mon-Fri from 8:00.AM-4:00.PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Edouard Patrick** can be reached on **(571)272-7603**.

**Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks

Art Unit: 2674

Washington, D.C. 20231

**Or faxed to:**

**(703) 872-9306 (for Technology Center 2600 only)**

Hand-delivery response should be brought to: Crystal Park II, 2121 Crystal Drive,  
Arlington, Va Sixth Floor (Receptionist)

Any inquiry of a general nature or relating to the status of this application or proceeding  
should be directed to the Technology Center 2600 Customer Service Office whose telephone  
number is (703) 305-4700.

DUC Q DINH  
Examiner  
Art Unit 2674

DQD  
November 19, 2005

  
REGINA LIANG  
PRIMARY EXAMINER